Product Catalog

Cooper ATKINS®

Accuracy to the Highest Degree

Cooper-Atkins® Corporation

A customer-centric technology leader in monitoring solutions for the global Foodservice, Healthcare and Industrial markets.

Since 1885, Cooper-Atkins has been a leading manufacturer of innovative measuring systems. We have a global reach and are a trusted source for reliable, high-quality thermometers, timers, hand-held temperature and humidity instruments and expert advice. The company continues to meet the needs of its customers by remaining focused on the education and promotion of important industry issues and providing the highest level of service and customer satisfaction!

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NAFEM

ServSafe®

nqa. ISO 9001 Registered Quality Management

MADE IN U.S.A.

Carol P. Wallace has been the President and CEO of Cooper-Atkins Corporation since 1994 and is recognized by the WBENC for leading a successful and thriving woman-owned corporation. The WBENC is the largest third-party certifier of businesses owned, controlled, and operated by women in the United States.

"We will continue to provide our dedicated customers with affordable solutions for every temperature measurement challenge - from bi-metal pocket tests to hand-held thermocouple units to our high-tech wireless temperature monitoring systems. When professionals are faced with temperature challenges they will continue to look to Cooper-Atkins to provide solutions tailored to the needs of their business."

Certified WBENC Women's Business Enterprise

We'd like to introduce you to our HACCP spokesman Chef Henri. Throughout the catalog look for Henri's Hints. These call-outs feature key points about our products and how they can help support your food safety program.

TempTrak® ENTERPRISE

Watch the Video!

The Wireless Monitoring Solution for Industry Professionals

All Equipment • All Locations • One Platform

Eliminate paper-driven logs for manual temperature management by converting to our TempTrak® system. It is a leading wireless monitoring system that collects and shares data across multiple locations in the same town or across country. TempTrak allows the monitoring of an unlimited number of points in an unlimited number of locations - all from a single software platform.

Foodservice

Food Processing

Healthcare

Maintenance / Facilities

Manufacturing

How It Works

The transmitters wirelessly send data to the TempTrak software which collects and records data 24/7. In the event the server is unavailable, data is temporarily stored/secured either in a buffer at the receiver or onboard the transmitter itself (Wi-Fi). TempTrak® hardware can coexist with other wireless communications operating in the same, or nearby frequencies, or can utilize the facility's existing Wi-Fi network.

- **Battery-powered transmitters - no hard-wiring required**
- **Easily mounts in any location**
- **Monitors against user-defined parameters**
- **Provides alerts via pager, computer pop-up and email**
- **Date and time-stamps - cannot be altered**
- **Temperature data displayed in either °C/°F**
- **Add notes to transmitter readings**

Alarms & Alert Notifications

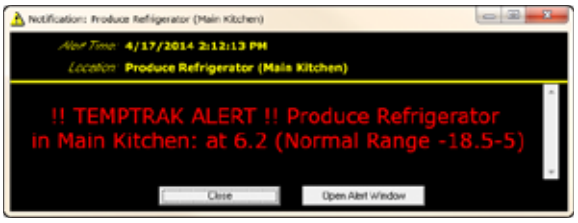
Alerts may be configured by time of day and day of week, tracking all corrective actions by time, user and action. When a TempTrak transmitter identifies a monitoring point that has exceeded a preset range, it sends an alert notification via a variety of methods including:

- computer screen pop-ups
- emails
- pagers (digital, e-mail and SNPP)
- mobile phones (via e-mail)
- contact switches (turn lights or sirens on/off, and can connect to security systems to transfer and alert)
- scrolling message boards

EZLink™

VIEW, ACKNOWLEDGE AND CLEAR TEMPTRAK ALARMS 24/7!

Wherever you go, **EZLink™** allows you to monitor your wireless system 24/7. View temperature sensor readings from your mobile device anywhere, anytime!


Notification: Produce Refrigerator (Main Kitchen)
Alert Time: 4/17/2014 2:12:13 PM
Location: Produce Refrigerator (Main Kitchen)
!! TEMPTRAK ALERT !! Produce Refrigerator in Main Kitchen: at 6.2 (Normal Range -18.5-5)
Close
Open Alert Window

Features:

- View groups
- View sensors
- View 24 hour sensor reading history

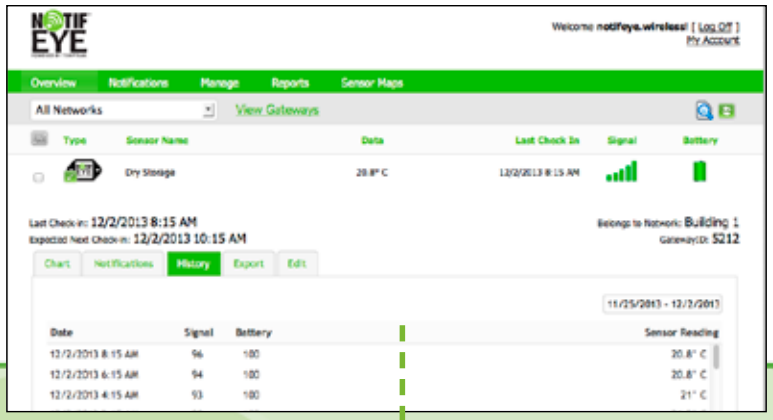
Microsoft Partner
Silver Independent Software Vendor (ISV)

NotifEye™ Cloud-based Wireless Monitoring

The NotifEye™ cloud-based temperature monitoring and notification system increases your operating efficiencies and avoids potential food spoilage. It is a low-cost wireless solution that is self-installable and ready to use out-of-the-box. The system has a wireless range of 76-91 m (250-300 ft) and offers unlimited sensor data storage. Data is accessible from anywhere via the internet.

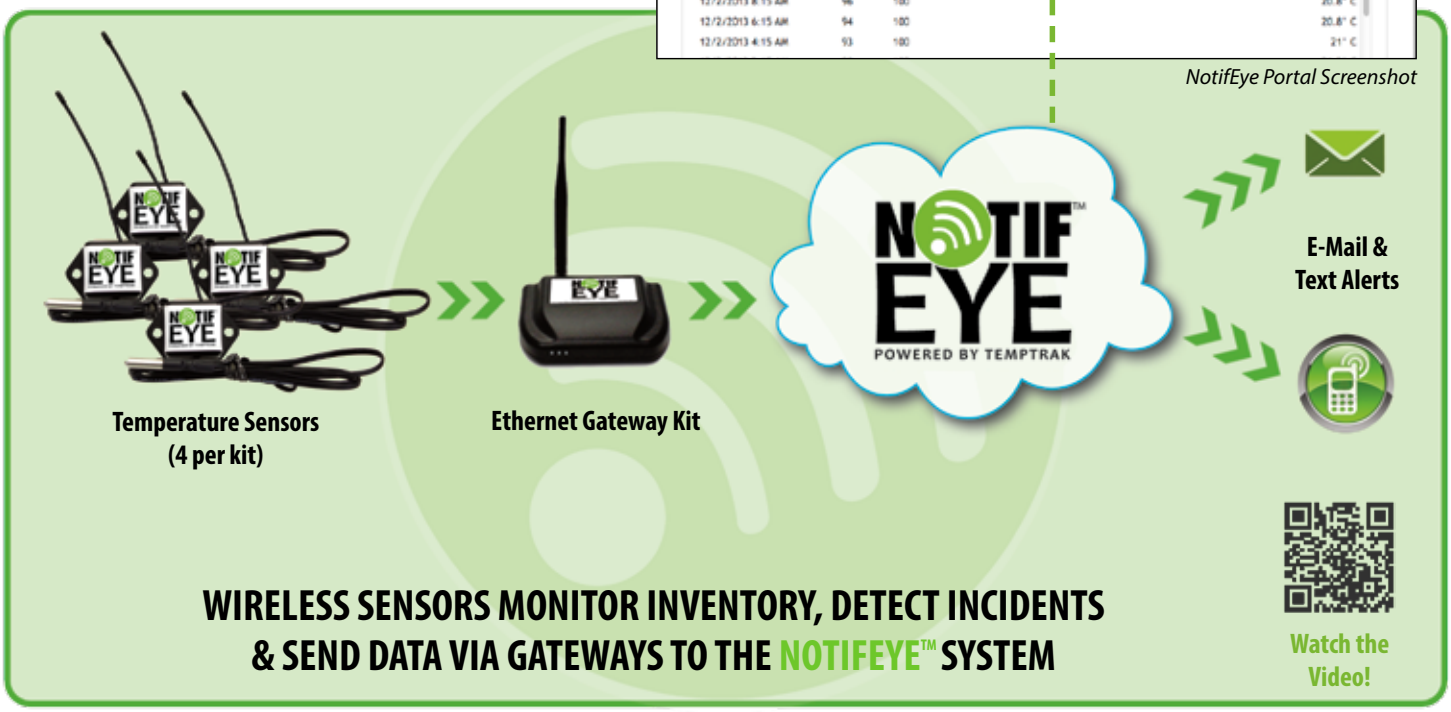
The Ethernet Gateway is available in 868 or 900 MHz and includes 4 Temperature Sensors.

- **Self-installable**
- **Ready to Use Out-of-the-Box**
- **Instant Alerts**



NotifEye Portal Screenshot

HOW IT WORKS



WIRELESS SENSORS MONITOR INVENTORY, DETECT INCIDENTS & SEND DATA VIA GATEWAYS TO THE NOTIFEYE™ SYSTEM

SYSTEM FEATURES:

- Basic Sensor Configurations (Name Sensor, Set Heartbeat, Select Unit of Measurement)
- Advanced Sensor Configurations (Recovery Attempts, Inactivity Alerts, Sub Heartbeat Assessments)
- Sensor Configuration by Group
- Sensor Grouping by Gateway, Type or Status
- Unlimited Number of Networks, Sensors, Gateways and Users Supported
- Sensor Mapping Tool (Visual Placement)
- Data Reports and Sensor History Storage
- Visual Charts and Exports

ALERT FEATURES:

- On-screen Alerts and Notifications (Single User or Multiple Recipients)
- Notifications via Email
- Permission-based Access Control and Reporting
- List of Recent Alerts for Individual Sensors

Temperature Sensor Specifications
Temperature Range: -40° to 125°C (-40° to 257°F)
Accuracy: ±1°C (±1.8°F)
Ambient Operating Range: -7° to 60°C (20° to 140°F)
Communication: 868 or 900 MHz, Antenna: 102 mm (4") high gain whip antenna
Sensor Range: 76-91 m (250-300 ft) non-line-of-sight (Actual range may vary depending on environment)
Power: Replaceable 3.0 V Lithium Ion coin cell battery
Battery Life: 2-3 years at 2-hour heartbeat (Battery life determined by sensor reporting frequency and other variables)
Warranty: 1 year

AVAILABLE ACCESSORIES:

Humidity Sensor

- 0-100% RH

Repeater

- Extends the sensor operating range up to 50%

HACCP Manager™ System

The HACCP Manager's™ intuitive programming requires minimal training and increases productivity. Incorporating our new HACCP Manager™ system into your food safety program will not only save you time and money, but will increase consumer confidence and ultimately improve the overall customer experience.

93710
HACCP Manager™ Kit
- 37100 Handheld & Battery
- 50209-K MicroNeedle Probe
- 9382 Battery Charger
- 9383 USB Cable
- 9384 Software CD-ROM

WATCH THE VIDEO!

- 9393 Optional plug adapters

SPECIFICATIONS

Handheld (37100)

Temperature Range: -73.2° to 537.7°C (-99.9° to 999.9°F)

Accuracy: ±0.5°C (±1°F) or ±0.2% of reading

Resolution: 0.1°

Ambient Operating Range: 0° to 50°C (32° to 122°F)

Housing: Water resistant ABS Plastic with protective rubber boot

Probe: Accepts all type K thermocouple probes

Traceable to NIST Standards: Yes

Power: Rechargeable lithium ion battery (8 hrs typical)

Warranty: 5 year

CE RoHS

FEATURES

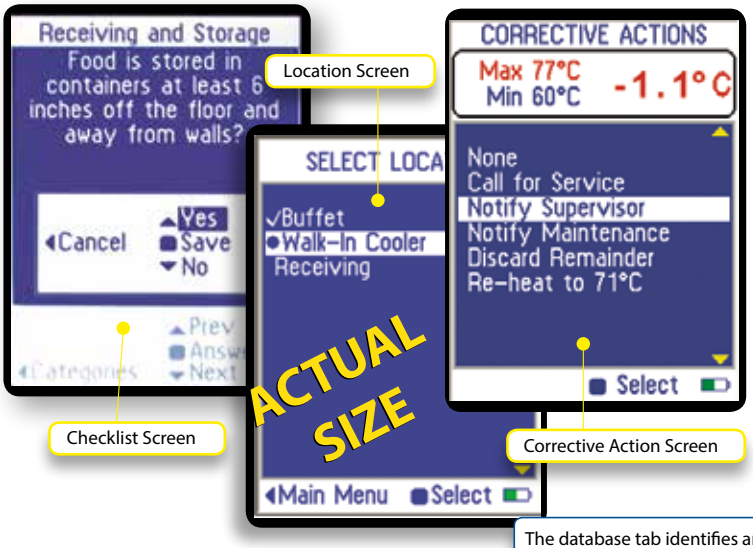
- Transfer data easily between Handheld & PC via USB cable
- Store up to 3000 temperatures and 300 menu items
- Assess temperature measurement as it stabilizes
- Identify failed results quickly via color-coded alerts
- Creates custom checklists storing up to 1500 records

BENEFITS

- Provides a systematic and more accurate approach to temperature taking
- Ensures compliance with HACCP workflow and increases employee accountability
- Saves time by eliminating manual data collecting
- Ensures food is safe and improves health inspection scores via selectable Corrective Actions
- Reduces training time due to intuitive menu and checklist interface

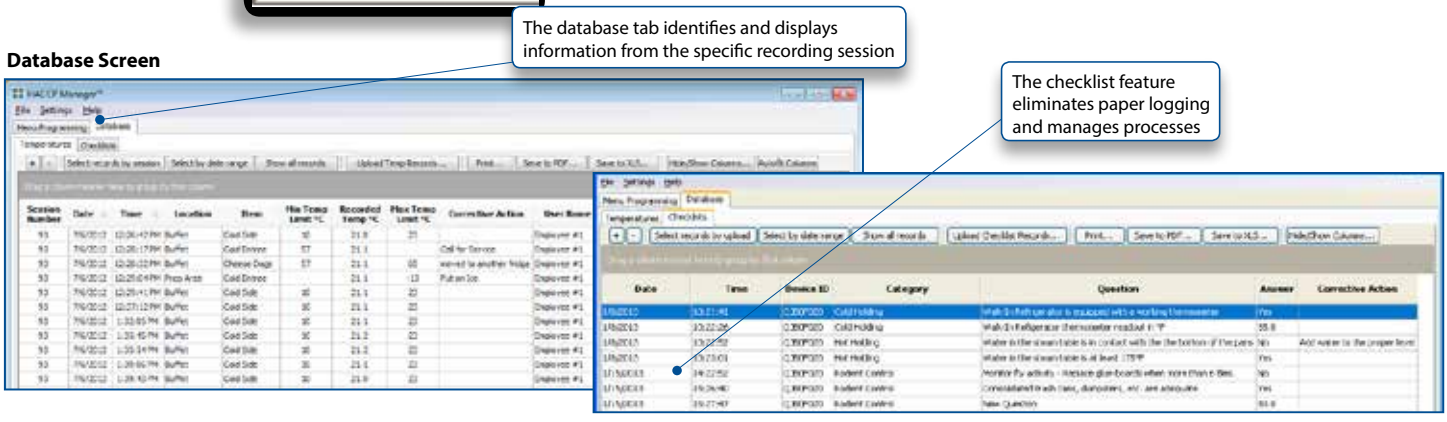
HANDHELD DISPLAYS

The Handheld's large display measures 51 mm x 38 mm (2" x 1 1/2"), making the data easy to read, navigate and select.



The HACCP Manager™ software is the most important and powerful component of your HACCP Manager system. Data can be transferred easily between the Handheld and a PC. Using the HACCP Manager system to collect temperature data makes a HACCP program much simpler and easier to implement.

Database Screen


The database tab identifies and displays information from the specific recording session
The checklist feature eliminates paper logging and manages processes

Checklist Screen

Blue2™ Bluetooth Instrument

The 92010-K Kit is made up of the 20100-K Blue2 instrument and the 50337-K DuraNeedle Direct Connect Probe. The Blue2 instrument transmits temperatures wirelessly to your mobile device via Bluetooth Low Energy. It can utilize any interchangeable Type-K thermocouple temperature probe making it versatile for insertion, air or surface temperature measurement. The data can be integrated into existing third party applications.

20100-K Blue2 Bluetooth Instrument
Temperature Range: -40º to 537ºC (-40º to 999ºF)
Accuracy: ±0.28ºC (±0.5ºF) with ambient temperatures between 20ºC to 30ºC (68º to 86ºF), add ±0.05ºC (±0.1ºF) per degree outside of this ambient range.
Resolution: 0.1°
Auto-off: Adjustable
Battery Life: 750 hours (1 included)
IPX7 waterproof rated
Bluetooth Low Energy
FCC compliant, CE certified, WEEE marked, RoHS compliant, NSF listed
5-year warranty

Note: EMC Compliance: The Blue2 probe may record temperature measurements beyond the stated accuracy when exposed to radio frequency disturbances between 250Mhz and 1000Mhz with a field strength in excess of 3.0V/m. This deviation is temporary and the Blue2 will recover when the disturbance is removed.

50337-K DuraNeedle Probe
Temperature Range: -40º to 537ºC (-100º to 500ºF)
Accuracy: ±0.5ºC (±1ºF)
Response Time: 1 second in liquid
Probe Length: 102 mm (4 in)
1-year warranty

Kit Includes:
- 20100-K Blue2 Instrument
- 50337-K DuraNeedle Direct Connect Probe

Watch the Video!

EconoTemp™ Thermocouple Instruments & Kits

The EconoTemp's™ slim line design sits nicely in the palm of your hand and provides an ergonomic grip. The removable rubber boot provides superior impact resistance and withstands multiple drops from six feet onto a cement floor and has molded tabs on the side to hold and store needle probes. The EconoTemp™ is an ideal transitional instrument from the digital pocket test. It has greater speed and flexibility with interchangeable probes. Food safety kits include instruments and probes recommended by foodservice professionals and can be made to order. Let us build a specialized kit for you!

32311-K
with 50336-K DuraNeedle Probe

93230-K
with 50336-K DuraNeedle Probe and wall mount

Five-Year Instrument Warranty

Any instrument which proves to be defective in material or workmanship within five years of original purchase will be repaired or replaced without charge upon receipt. This Limited Warranty does not cover damage in shipment or failure caused by tampering, obvious carelessness or abuse, and is the purchaser's sole remedy.

	32311-K	32322-K
Temperature Range:	-40° to 260°C (-40° to 500°F)	-40° to 538°C (-40° to 1000°F)
Accuracy:	±0.5°C (±1.0°F)	±0.5°C (±1.0°F)
Resolution:	1°	0.1° up to 257°C (495°F)
Housing:	ABS	ABS
Power:	(3) 1.5 V AAA	(3) 1.5 V AAA
Battery Life:	4500 hours	4500 hours
Auto Off:	10 min.	10 min.
Weight:	170 g (6 oz)	170 g (6 oz)
Regulatory Listings:	CE NSF RoHS	CE RoHS
Warranty:	5 Year	5 Year

93233-K
EconoTemp™ Kit
- 32311-K Instrument
- 50012-K Surface-angled Bell Probe
- 50306-K Oven/Freezer Probe
- 50336-K DuraNeedle Probe
- 9368 Wall-mount Bracket
- 14235 Medium Case

93230-K
EconoTemp™ Combo Pack
- 32311-K Instrument
- 50336-K DuraNeedle Probe
- 9368 Wall-mount Bracket

Removable rubber boot provides superior impact resistance. Withstands multiple drops from six feet onto a cement floor.

Direct Connect Probe Allows for Single-handed Operation!

94020-K
EconoTemp™ Single-handed Combo Pack
- 32311-K Instrument
- 50337-K Direct Connect DuraNeedle Probe
- 9368 Wall-mount Bracket

Henri's Hint
For maximum versatility, EconoTemp™ Instruments are compatible with all Type K thermocouple probes.

AquaTuff™ Thermocouple Instruments & Kits

Cooper-Atkins' line of hand-held thermocouple instruments continues the proud heritage of products designed and manufactured in an ISO 9001:2008 registered facility in the USA. The powerful microprocessor in Cooper-Atkins' thermocouple instruments delivers speed and reliability with a unique memory that stores the calibration settings and will never need recalibration. The AquaTuff™ Series Thermocouple Instruments are highly accurate, NIST traceable and most importantly, as the AquaTuff™ name implies, has an IPX7 waterproof rating for greater reliability and durability in harsh environments. The non-Wrap&Stow™ enclosure design allows for maximum versatility, and can be used with any Type K thermocouple probe.

	35100-K	35200-K
Temperature Range:	-73° to 537°C (-100° to 999°F)	-73° to 537°C (-100° to 999°F)
Accuracy:	±0.3°C (±0.5°F)	±0.3°C (±0.5°F)
Resolution:	0.1°	0.1° / 1° selectable
Housing:	ABS Plastic	ABS Plastic
Hold:	-	Yes
Backlight:	-	Yes
Power:	(2) 1.5 V AAA	(2) 1.5 V AAA
Battery Life:	1800 hours	1800 hours
Auto Off:	10 min.	10 min.
Replacement Item For:	38653-K 38658-K	39658-K
Weight:	142 g (5 oz)	142 g (5 oz)
Regulatory Listings:	CE NSF RoHS	CE NSF RoHS
Warranty:	5 Year	5 Year

35100-K
AquaTuff™
Thermocouple Instrument

Easy twist-open battery hatch

IPX7 Waterproof

The AquaTuff™ thermocouple instruments are IPX7 waterproof rated and durable for harsh environments. An IPX7-level reading means the instrument can be submerged in 1 meter of water for 30 minutes without water damage.

35200-K
AquaTuff™
Thermocouple Instrument

93970-K
AquaTuff™ Thermocouple Kit
- 35200-K Instrument
- 50012-K Surface Angled Bell Probe
- 50306-K Air/Oven Probe
- 50335-K Needle Probe
- 14235 Medium Case

The non-Wrap&Stow enclosed design instruments are compatible with all Type K thermocouple probes for maximum versatility.

AquaTuff™ Wrap&Stow™ Thermocouple Instruments

Wrap&Stow™ designs are available with a unique, cable storage channel so that the heavy-duty, patented probe can be stored safely alongside the unit housing. The Wrap&Stow™ probe is factory-calibrated with the instrument for a higher degree of total system accuracy. The AquaTuff™ Total System Accuracy (instrument and probe accuracy combined) of 0.5°C (0.9°F) over the entire range is a result of rigorous testing traceable to NIST standards.

	35132	35135	35140	35232	35235	35240	35340
Temperature Range:	-73° to 260°C (-100° to 500°F)	-73° to 260°C (-100° to 500°F)	-73° to 260°C (-100° to 500°F)	-73° to 260°C (-100° to 500°F)	-73° to 260°C (-100° to 500°F)	-73° to 260°C (-100° to 500°F)	-73° to 260°C (-100° to 500°F)
Accuracy:	±0.5°C (±0.9°F) **total system accuracy**	±0.3°C (±0.5°F)*	±0.5°C (±0.9°F) **total system accuracy**	±0.5°C (±0.9°F) **total system accuracy**	±0.3°C (±0.5°F)*	±0.5°C (±0.9°F) **total system accuracy**	±0.5°C (±0.9°F) **total system accuracy**
Resolution:	0.1°	0.1°	0.1°	0.1°/1° selectable	0.1°/1° selectable	0.1°/1° selectable	0.1°
Housing:	ABS Plastic	ABS Plastic	ABS Plastic	ABS Plastic	ABS Plastic	ABS Plastic	ABS Plastic
Hold:	No	No	No	Yes	Yes	Yes	No
Backlight:	No	No	No	Yes	Yes	Yes	No
Power:	(2) 1.5V AAA	(2) 1.5V AAA	(2) 1.5V AAA	(2) 1.5V AAA	(2) 1.5V AAA	(2) 1.5V AAA	(2) 1.5V AAA
Battery Life:	1800 hours	1800 hours	1800 hours	1800 hours	1800 hours	1800 hours	1800 hours
Auto Off:	10 min.	10 min.	10 min.	10 min.	10 min.	10 min.	10 min.
Weight:	199 g (7 oz)	227 g (8 oz)	199 g (7 oz)	199 g (7 oz)	227 g (8 oz)	199 g (7 oz)	199 g (7 oz)
Regulatory Listings:	CE NSF RoHS	CE RoHS	CE NSF RoHS	CE NSF RoHS	CE RoHS	CE NSF RoHS	CE RoHS
Warranty:	5 Year	5 Year	5 Year	5 Year	5 Year	5 Year	5 Year

*** Accuracy specification for instrument only.**

35132
AquaTuff™ Wrap&Stow™ Thermocouple Instrument with DuraNeedle Probe

35235
AquaTuff™ Wrap&Stow™ Thermocouple Instrument with Surface Probe

35340
AquaTuff™ Wrap&Stow™ ITS™ Thermocouple Instrument with MicroNeedle Probe

Henri's Hint
The Total System Accuracy (instrument and probe accuracy combined) over the entire range is a result of rigorous testing against established standards

Cooper-Atkins 5 Year Instrument Warranty

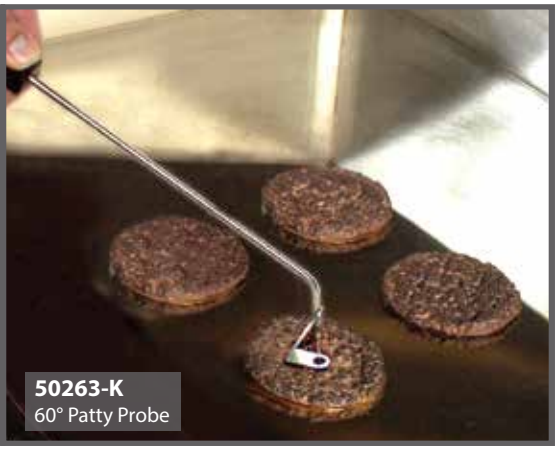
Instrument with ITS™ and Memory Storage

The Intelligent Temperature Stabilization (ITS™) feature, on the 35340 AquaTuff™ Wrap&Stow™ ITS™ Thermocouple, prevents the temperature from being displayed until the final stabilized temperature is reached. While in the ITS mode, you have the option of recording the stabilized temperature into the 35340 memory. The memory can store up to 250 readings, which can then be reviewed by scrolling up or down.

Thermocouple Probes

The Cooper-Atkins thermocouple probe line is the most extensive in the foodservice industry. We produce high quality probes for all kinds of temperature measuring applications, from internal food to equipment surface temperatures. We build probes in our Connecticut headquarters facility and can design and manufacture custom probes for specific needs. Cooper-Atkins is an ISO 9001-2008 facility in the United States.

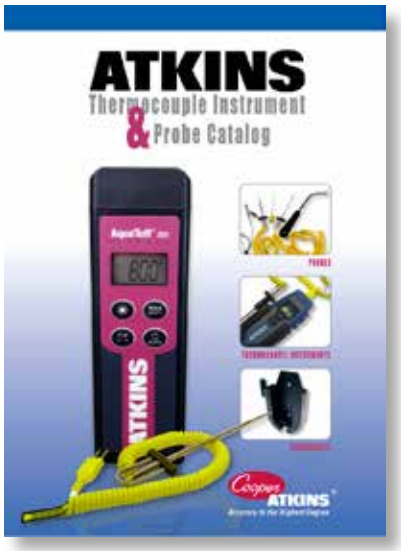
50207-K
MicroNeedle Probe


50263-K
60° Patty Probe

50336-K
DuraNeedle Probe

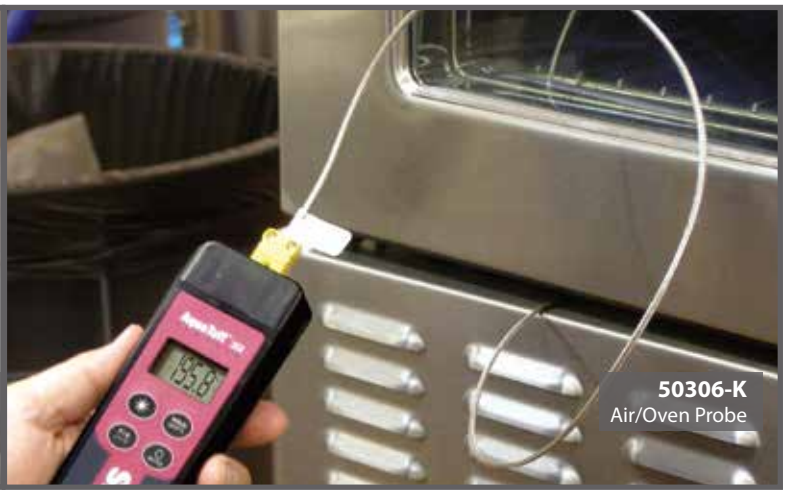
Insertion / Needle Probes	31901-K	50207-K	50208-K	50209-K	50263-K	50335-K	50336-K
Description	Needle Probe	Direct Connect MicroNeedle Probe Chisel Tip	Fry Vat Probe	MicroNeedle Probe	60° Patty Probe w/ 4.76 mm (3/16") Depth Indicator (other angles available)	Needle Probe (other sizes available)	DuraNeedle Probe
Temperature Range:	-40° to 205°C (-40° to 400°F)	-73° to 260°C (-100° to 500°F)	-40° to 205°C (-40° to 400°F)	-73° to 260°C (-100° to 500°F)	-73° to 260°C (-100° to 500°F)	-40° to 260°C (-40° to 500°F)	-40° to 260°C (-40° to 500°F)
Max Tip Temperature:	205°C (400°F)	260°C (500°F)	205°C (400°F)	260°C (500°F)	260°C (500°F)	260°C (500°F)	260°C (500°F)
Max Cable Temperature:	205°C (400°F)	-	205°C (400°F)	80°C (176°F)	80°C (176°F)	80°C (176°F)	80°C (176°F)
Response Time (in liquid):	4 seconds	1 second	8 seconds	1 second	1 second	4 seconds	2 seconds
Shaft Length:	102 mm (4")	95 mm (3.75")	185 mm (7.3")	89 mm (3.5")	203 mm (8")	114 mm (4.5")	152 mm (6")
Cable Length Max Extended:	610 mm (24")	Direct Connect No Cable	762 mm (30") w/ Flexible Armored Cable	1.2 m (48")	1.2 m (48")	1.2 m (48")	1.2 m (48")
Weight:	28 g (1 oz)	14 g (.5 oz)	85 g (3 oz)	57 g (2 oz)	85 g (3 oz)	57 g (2 oz)	57 g (2 oz)
Warranty:	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year

Surface Probes	50012-K	50014-K	50318-K
Description	Bell Surface Probe	Weighted Griddle Probe	Ceramic Tip Surface Probe
Temperature Range:	-40° to 260°C (-40° to 500°F)	-40° to 260°C (-40° to 500°F)	-40° to 650°C (-40° to 1202°F)
Max Tip Temperature:	260°C (500°F)	260°C (500°F)	650°C (1202°F)
Max Cable Temperature:	80°C (176°F)	205°C (400°F)	80°C (176°F)
Response Time (on oiled surface)	4 seconds	2 seconds	1 second
Shaft Length:	114 mm (4.5")	-	102 mm (4")
Cable Length Max Extended:	1.2 m (48")	762 mm (30") w/ Flexible Armored Cable	1.2 m (48")
Weight:	142 g (5 oz)	907 g (2 lb)	142 g (5 oz)
Warranty:	1 Year	1 Year	1 Year

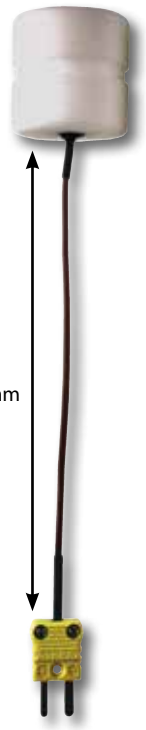


For our extensive line of probes please refer to our ATKINS Thermocouple Instrument & Probe Catalog #67-1240.

Thermocouple Probes & Accessories



52048-K
Thermocouple Solid Product Simulator
Mounted with a cable-tie.



Air Probes	39032-K	39138-K	50306-K	52048-K
Description	Hand Held Air Probe	Bare Tip Probe	Oven/Freezer Probe	Solid Product Simulator
Temperature Range:	-200° to 205°C (-328° to 400°F)	-200° to 205°C (-328° to 400°F)	-73° to 316°C (-100° to 600°F)	-40° to 82°C (-40° to 180°F)
Max Tip Temperature:	205°C (400°F)	205°C (400°F)	316°C (600°F)	82°C (180°F)
Max Cable Temperature:	205°C (400°F)	205°C (400°F)	316°C (600°F)	204°C (400°F)
Response Time:	11 seconds 5 m/sec. air steam	1 second liquid 7 sec. 5 m/sec. air	1 second liquid 10 sec. 5 m/sec. air	Up to 2 hours to stabilize
Shaft Length:	102 mm (4")	-	54 mm (2.125")	38 mm (1.5")
Cable Length Max Extended:	914 mm (36")	914 mm (36")	1.1 m (43") w/ Stainless Steel Overbraid	152 mm (6")
Weight:	28 g (1 oz)	28 g (1 oz)	28 g (1 oz)	71 g (2.5 oz)
Warranty:	1 Year	1 Year	1 Year	1 Year

From left to right:
50306-K Air/Oven Probe
50335-K Insertion Probe
50337-K DuraNeedle Direct Connect Probe
50210-K MicroNeedle Direct Connect Probe
50209-K MicroNeedle Probe
50012-K Bell Surface Probe

9391
Wire Rack & Cup
- Holds Thermocouple
- Storage cup holds pocket tests

NEW

Thermistor Instruments

Thermistor instruments can be very accurate and used in conjunction with several different types of probes. They can measure multiple kinds of temperatures from internal food to air temperature and equipment surfaces. A thermistor is a sensor embedded in a ceramic, glass or metal bead attached to an alloy wire and is very precise within a limited temperature range.

SH66A-E 3-Zone Temperature Instrument
For applications when multiple temperature measurements are needed, this is the instrument to use. Simultaneously measure suction and liquid line temperatures, as well as temperatures across condensing coils, evaporator coils and ambient temperatures.

SH66A-E:
- 1075 General Purpose Puncture Probe
- 2010 Air Probe
- 4011 Pipe Strap Probe

SH66A-E-032:
- 1075 General Purpose Puncture Probe
- 2010 Air Probe
- 4011 Pipe Strap Probe
- Certificate of Calibration Traceable to NIST Standards

Cooper-Atkins 5 Year Instrument Warranty

SRH77A-E 3-Zone Temperature/Humidity Instrument
When temperature and relative humidity measurements are critical, the SRH77A-E is the expert's choice. View temperature differential, %RH, and wet-bulb.

SRH77A-E:
- 1075 General Purpose Puncture Probe
- 4011 Pipe Strap Probe
- 5028 Slim Humidity Probe

SRH77A-E-032:
- 1075 General Purpose Puncture Probe
- 4011 Pipe Strap Probe
- 5028 Slim Humidity Probe
- Certificate of Calibration Traceable to NIST Standards

TM99A Series
Thermistor Temperature Instrument
For applications where only one temperature is needed. It features Min/Max Memory, Hold, Auto-shut off and an LCD backlight for dark environments.

TM99A:
- 1075 General Purpose Puncture Probe
- 9339 Soft, Carrying/Storage Pouch

TM99A-E-032:
- 1075 General Purpose Puncture Probe
- 9339 Soft, Carrying/Storage Pouch
- Certificate of Calibration Traceable to NIST Standards

TM99A-V:
- 1050 Blunt-tip veterinary probe
- 9339 Soft, Carrying/ Storage Pouch

Cooper-Atkins 5 Year Instrument Warranty

	SH66A-E/ SH66A-E-032	SRH77A-E/ SRH77A-E-032	TM99A/ TM99A-E-032
Temperature Range:	-40° to 150°C (-40° to 300°F)	-40° to 150°C (-40° to 300°F)	-40° to 150°C (-40° to 300°F)
Accuracy:	±0.2°C (±0.3°F) or ±0.5% of reading, whichever is greater	±0.2°C (±0.3°F) or ±0.5% of reading, whichever is greater	±0.2°C (±0.3°F) or ±0.5% of reading, whichever is greater
Humidity Range:	-	10 to 95% RH	-
Humidity Accuracy:	-	±2% from 20 to 80% RH ±3% below 20% and above 80% RH	-
Ambient Operating Range:	-18° to 54°C (0° to 130°F) Up to 90% RH non-condensing	-18° to 54°C (0° to 130°F) Up to 90% RH non-condensing	0° to 50°C (32° to 122°F)
Resolution:	0.1°	0.1° 1% RH	0.1°
Display - LCD:	51 mm x 22 mm (2.0" x .875")	51 mm x 22 mm (2.0" x .875")	13 mm (0.5")
Min/Max:	Yes	Yes	Yes
Hold:	No	No	Yes
Backlight:	Yes	Yes	Yes
Power:	9V	9V	(2) 1.5V AAA
Battery Life:	90 hours	90 hours	1800 hours
Auto Off:	Yes (after 15 minutes)	Yes (after 15 minutes)	Yes (after 5 minutes)
Case Material:	Polyethylene	Polyethylene	ABS
Weight:	595 g (1 lb 5 oz)	595 g (1 lb 5 oz)	142 g (5 oz)
Regulatory Listings:	CE RoHS	CE RoHS	CE RoHS
Warranty:	5 Year	5 Year	5 Year

Thermistor Probes

Needle Probes

All Thermistor Temperature Probes are interchangeable with all Cooper-Atkins Thermistor Instruments.

	1013	1014	1030	1050	1052	1075	1078	6000
Description:	**Meat-Packing Puncture Probe**	**17" Puncture Probe**	**Screw-in Puncture Probe**	**Blunt-tip Veterinary Probe**	**Needle Probe**	**General Purpose Puncture Probe**	**7" Puncture Probe**	**18" Flexible Thermistor Probe**
Temperature Range:	-40° to 149°C (-40° to 300°F)	-40° to 149°C (-40° to 300°F)	-40° to 149°C (-40° to 300°F)	-40° to 149°C (-40° to 300°F)	-40° to 149°C (-40° to 300°F)	-40° to 149°C (-40° to 300°F)	-40° to 149°C (-40° to 300°F)	-32° to 93°C (-25° to 200°F)
Max Tip Temperature:	149°C (300°F)	149°C (300°F)	149°C (300°F)	149°C (300°F)	149°C (300°F)	149°C (300°F)	149°C (300°F)	93°C (200°F)
Max Cord Temperature:	93°C (200°F)	93°C (200°F)	204°C (400°F)	93°C (200°F)	93°C (200°F)	93°C (200°F)	93°C (200°F)	93°C (200°F)
Response Time (liquid):	6 seconds	100 seconds	20 seconds	6 seconds	4 seconds	6 seconds	6 seconds	50 seconds
Shaft Length:	95 mm (3.75")	430 mm (17")	64 mm (2.5")	89 mm (3.5")	74 mm (2.9")	95 mm (3.75")	178 mm (7")	457 mm (18")
Shaft Diameter:	4 mm (0.140")	6 mm (0.25")	4 mm (0.165")	3 mm (0.125")	1 mm (0.041")	3.6 mm (0.146")	4 mm (0.140")	4 mm (0.156")
Cord Length:	1.8 m (6') Polyurethane (uncoiled)	1.8 m (6') Polyurethane (uncoiled)	1.8 m (6') FEP Jacket (straight)	1.8 m (6') Polyurethane (uncoiled)	1.8 m (6') Polyurethane (uncoiled)	1.8 m (6') Polyurethane (uncoiled)	1.8 m (6') Polyurethane (uncoiled)	3.7 m (12') PVC (straight)
Warranty:	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year

1013
Meat-Packing Puncture Probe

1014
430 mm Puncture Probe with Heavyduty Cord

1030
Screw-in Probe with 3.2 mm NPT Fitting

1050
Blunt-Tip Veterinary Probe

1052
Needle Probe
(use with Pete's Plugs)

1075
General Purpose Puncture Probe

1078
178 mm Puncture Probe

Surface Probes

Air Probes

	3010	4005	4011	4040	7010	2007	2010	5005	5028
Description:	**Plastic Shaft Probe**	**Pipe Clamp Probe**	**Pipe Clamp Probe**	**Fast Response Surface Probe**	**Air/Surface Probe**	**Blunt Tip Veterinary Probe**	**Air Probe**	**Air Probe**	**Slim Temp / Humidity Probe**
Temperature Range:	-40° to 93°C (-40° to 200°F)	-10° to 100°C (-14° to 212°F)	-32° to 100°C (-25° to 212°F)	-40° to 149°C (-40° to 300°F)	-40° to 93°C (-40° to 200°F)	-40° to 149°C (-40° to 300°F)	-40° to 93° (-40° to 200°F)	-40° to 149°C (-40° to 300°F)	-18° to 66°C (0° to 150°F)
Humidity Range:	-	-	-	-	-	-	-	-	10 to 95% RH
Max Tip Temperature:	93°C (200°F)	93°C (200°F)	100°C (212°F)	149°C (300°F)	93°C (200°F)	149°C (300°F)	93°C (200°F)	149°C (300°F)	66°C (150°F)
Max Cord Temperature:	93°C (200°F)	93°C (200°F)	93°C (200°F)	93°C (200°F)	93°C (200°F)	204°C (400°F)	93°C (200°F)	93°C (200°F)	93°C (200°F)
Response Time:	15 seconds	12 seconds	-	15 seconds	20 seconds	6 seconds	20 seconds	-	30 seconds
Shaft Length:	76 mm (3")	-	-	89 mm (3.5")	4 mm (0.160")	102 mm (4")	13 mm (0.5")	102 mm (4")	125 mm (4.9")
Shaft Dia.	4 mm (0.156")	-	-	8 mm (Tip) (0.310")	13 mm (0.5")	4 mm (0.140")	4 mm (0.160")	3 mm (0.125")	6 mm (0.25")
Cord Length:	1.8 m (6') Polyurethane (uncoiled)	3 m (10') TPE (uncoiled)	3.7 m (12') Polyurethane (uncoiled)	1.8 m (6') Polyurethane (uncoiled)	152 mm (6") PVC cord (straight)	3.0 m (10') PTFE (straight)	3.6 m (12') Polyurethane (straight)	1.8 m (6') Polyurethane (uncoiled)	1.8 m (6') PVC (uncoiled)
Warranty:	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year	1 year

2007
Blunt Tip
Veterinary Probe

2010
Air Probe

4011
Pipe Strap Probe
(Strap, approx. 279 mm long x 13 mm wide)

4040
Fast Response Surface Probe

5028
Slim Temp/Humidity Probe

9010 3 m Extension Cable
9015 15 m Extension Cable

Infrared Thermometers

Non-contact infrared thermometers provide an immediate surface temperature. Simply point the infrared (some available with a visible laser) directly at an area to obtain its temperature. Infrared thermometers are perfect for measuring items in display cases, salad bars, and buffets without touching the food or causing cross-contamination. They are also ideal for checking moving machinery, pipes and overhead equipment.

462
Slim-Line Infrared

481
DualTemp2 Infrared with RTD Probe

412
Gun-style Infrared with Thermocouple Jack

470
Mini Infrared Thermometer
The pocket-sized design is very compact, and includes lanyard to wear around your neck.
• Min/Max/Hold/Lock

Models 480 and 481 come with an insertion probe to obtain internal food temperatures. Model 412 accepts any Type K thermocouple probe *(not included)*

	412	462	470	480	481
Temperature Range:	Infrared -60° to 500°C (-76° to 932°F) Thermocouple Instrument -64° to 1400°C (-83° to 1999°F)	-40° to 280°C (-40° to 536°F)	-33° to 220°C (-27° to 428°F)	Infrared -33° to 220°C (-27° to 428°F) Thermocouple Probe -55° to 330°C (-67° to 624°F)	Infrared -40° to 280°C (-40° to 536°F) Thermocouple Probe -40° to 200°C (-40° to 392°F)
Infrared Accuracy:	±2°C (±4°F)	±2°C (±4°F)	±2°C (±3.6°F)	±2°C (±4°F)	±1°C (±2°F)
Probe Accuracy:	Thermocouple Jack ±1°C (±2°F)	-	-	Thermocouple Probe ±1°C (±2°F)	RTD Probe 0.5°C (±1°F)
Resolution:	0.1° 1° above 200°C	0.1° 1° above 230°C	0.1°	0.1° 1° above 200°C	0.1°
Ambient Operating Range:	0° to 50°C (32° to 122°F)	0° to 50°C (32° to 122°F)	0° to 50°C (32° to 122°F)	0° to 50°C (32° to 122°F)	0° to 50°C (32° to 122°F)
Laser:	Single Dot	Single Dot	None	None	Single Dot
Distance to Spot (D:S):	**12:1**	**6:1**	**1:1**	**1:1**	**3:1**
Emissivity:	0.95 - adjustable from 0.1 to 1.0	0.97 fixed	Preset at 0.95	0.95 - adjustable from 0.1 to 1.0	0.97 Fixed
Auto Off:	60 sec.	7 sec.	15 sec.	15 sec.	20 sec.
Power:	(2) 1.5V AAA	(1) 9V battery Alkaline	(1) Lithium button cell 3V battery - #CR2032	(1) Lithium button cell 3V battery - #CR2032	(1) 9V battery
Dimensions:	175 mm x 72 mm x 38 mm (6.9" x 2.8" x 1.5")	184 mm x 56 mm x 38 mm (7.375" x 2.25" x 1.5")	68 mm x 36 mm x 19 mm (2.67" x 1.44" x 0.75")	155 mm x 41 mm x 22 mm (6.125" x 1.68" x 1.625")	168 mm x 35 mm x 64 mm (6.625" x 1.375" x 2.5")
Battery Life:	180 Hours Typical 140 Hours Minimum	12 Hours	40 Hours Typical 30 Hours Minimum	40 Hours Typical 30 Hours Minimum	100 Hours Typical
Weight:	170 g (6 oz)	142 g (5 oz)	28.4 g (1 oz)	73 g (2.5 oz)	170 g (6 oz)
Regulatory Listings:	CE RoHS	CE RoHS	CE RoHS	CE RoHS	CE NSF RoHS
Warranty:	1 year	1 year	1 year	1 year	1 year

Infrared Thermometers

	422	423	424	425
Temperature Range:	-60° to 500°C (-76° to 932°F)	-60° to 625°C (-76° to 1157°F)	-60° to 900°C (-76° to 1600°F)	-60° to 1000°C (-76° to 1832°F)
Accuracy:	±2°C (±4°F)	±2°C (±4°F)	±2°C (±4°F)	±2°C (±4°F)
Resolution:	0.1°	0.1°	0.1°	0.1°
Ambient Operating Range:	0° to 50°C (32° to 122°F)	0° to 50°C (32° to 122°F)	0° to 50°C (32° to 122°F)	0° to 50°C (32° to 122°F)
Laser:	Dual Dot	Dual Dot	Dual Dot	Dual Dot
Distance to Spot (D:S):	**12:1**	**16:1**	**35:1**	**50:1**
Emissivity:	0.95 Fixed	Default 0.95 - adjustable from 0.10 to 1.00	Default 0.95 - adjustable from 0.10 to 1.00	Default 0.95 - adjustable from 0.10 to 1.00
Storage Temperature:	-20° to 65°C (-4° to 149°F) (without battery)	-20° to 65°C (-4° to 149°F) (without battery)	-20° to 65°C (-4° to 149°F) (without battery)	-20° to 65°C (-4° to 149°F) (without battery)
Power:	(2) 1.5V AAA (included)	(2) 1.5V AAA (included)	(2) 1.5V AAA (included)	(2) 1.5V AAA (included)
Dimensions:	41 mm x 140 mm x 184 mm (1.625" x 5.5" x 7.25")	41 mm x 140 mm x 184 mm (1.625" x 5.5" x 7.25")	197 mm x 48 mm x 203 mm (7.75" x 1.875" x 8")	197 mm x 48 mm x 203 mm (7.75" x 1.875" x 8")
Battery Life:	14 hrs typical/10 hrs continuous use with laser/ backlight on	14 hrs typical/10 hrs continuous use with laser/ backlight on	18 hrs typical/14 hrs continuous use with laser/ backlight on	18 hrs typical/14 hrs continuous use with laser/ backlight on
Weight:	227 g (8 oz)	229 g (9 oz)	454 g (1 lb) w/ stand	454 g (1 lb) w/ stand
Regulatory Listings:	CE RoHS	CE RoHS	CE RoHS	CE RoHS
Warranty:	1 year	1 year	1 year	1 year

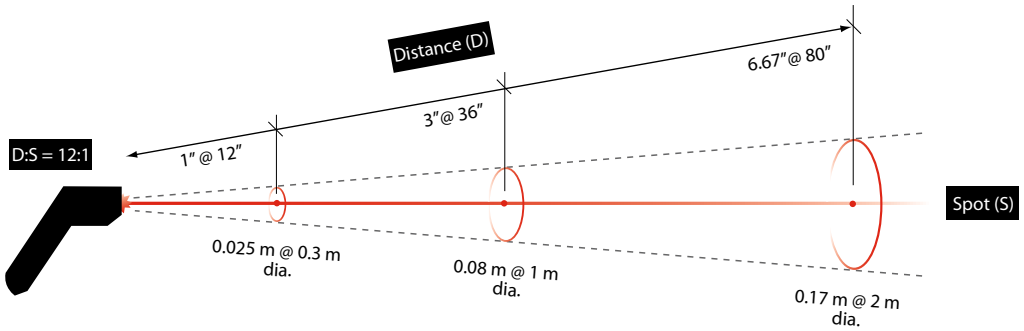
422
Gun-style Infrared with Laser Sighting

423
Gun-style Infrared with Laser Sighting
Accepts Type K Thermocouple probes

424
Gun-style Infrared with Laser Sighting
- Measures min, max, average & differential temps
- Programmable HI/LO alarms
- Built-in, high-intensity LED flashlight
- Magnetic stand
- ABS carrying case

D:S (Distance to Spot Ratio)

The further away from the object, the larger the surface area measured. Optical resolution is expressed as a ratio of the distance to the resolution spot divided by the diameter of the spot.



Digital Thermometers

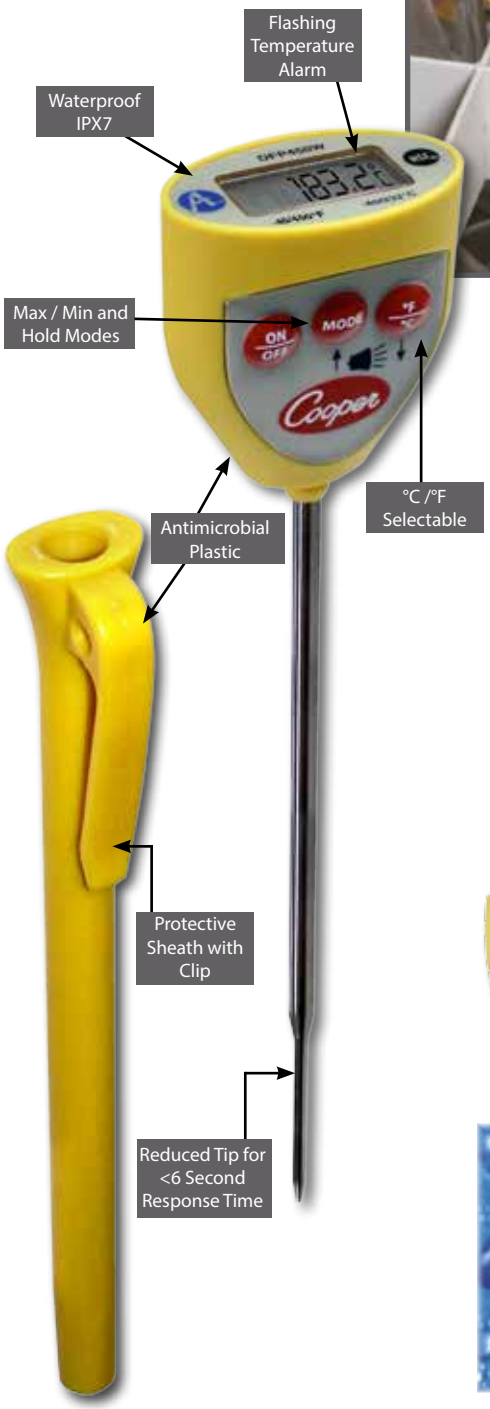
The same innovative technology incorporated in our popular thermocouple instruments, used by the most sophisticated restaurant chains in the world, is also available in select digital thermometers. With settings stored in a non-volatile memory chip, field adjustment has become a thing of the past. We are so committed to ensuring the accuracy of our products that we guarantee them for life. Look for the A logo on Cooper-Atkins' products and ask your local representative for more details.

DFP450W
Digital Pocket Test
with Temperature Alarm

DPP400W
Pen-style
Digital Pocket Test

DPP800W
MAX
Digital Pocket Test

TTM41
Coolit-Rite™ Cooling Validator monitors cooling time and temperature to ensure HACCP compliance



DPP800W
MAX Digital Pocket Test Thermometer
- Large EZ-read LCD screen
- IPX7 Waterproof rated
- Dishwasher safe

IPX7 Waterproof

The high-speed digital instruments are IPX7 waterproof rated and durable in harsh environments.

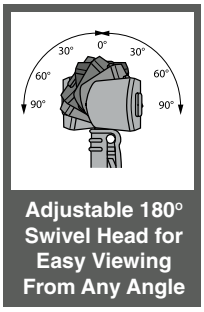
An IPX7-level reading means the instrument can be submerged in 1 meter of water for 30 minutes without water damage.

Digital Thermometers

	DFP450W	DPP400W	DPP800W	DPS300-01	DT300	TTM41	TTM41-10	TTM59
Temperature Range:	-40° to 232°C (-40° to 450°F)	-40° to 200°C (-40° to 392°F)	-40° to 232°C (-40° to 450°F)	-40° to 150°C (-40° to 302°F)	-40° to 150°C (-40° to 302°F)	-20° to 150°C (-4° to 302°F)	-20° to 150°C (-4° to 302°F)	-20° to 177°C (-4° to 350°F)
Accuracy:	±1°C (±2°F)	±1°C (±2°F)	±0.5°C (±1°F)	±1°C (±2°F)	±1°C (±2°F)	±1°C (±2°F)	±1°C (±2°F)	±0.5°C (±1°F) over entire range
Resolution:	0.1°	0.1°	0.1°	0.1°	0.1°	0.1°	0.1°	0.1°
Display - LCD	22 mm (.875")	22 mm (.875")	38 mm (1.5")	13 mm (.50")	22 mm (.875")	32 mm (1.25")	32 mm (1.25")	11 mm (.43")
Stem Length:	121 mm (4.75")	70 mm (2.75")	102 mm (4")	121 mm (4.75")	117 mm (4.625")	381 mm (15")	254 mm (10")	121 mm (4.75")
Power:	(1) 1.5V #LR44	(1) 1.5V #LR44	(1) 1.5V #LR44	(1) 1.5V #LR44	(1) 1.5V #LR44	(1) 1.5V #LR44	(1) 1.5V #LR44	(1) 3V #CR2032
Auto Shut-off:	Yes (After 10 min)	Yes (After 10 min)	Yes (After 10 min)	Yes (After 10 min)	No	-	-	-
Weight:	20 g (0.7 oz)	28 g (1 oz)	28 g (1 oz)	28 g (1 oz)	14 g (0.5 oz)	56 g (2 oz) (with clip)	56 g (2 oz) (with clip)	51 g (1.8 oz)
Water Resistance Rating:	IPX7	IPX7	IPX7	-	-	Water Resistant	Water Resistant	IPX7
Regulatory Listings:	CE NSF RoHS	CE NSF RoHS	CE NSF RoHS	CE RoHS	CE RoHS	CE NSF RoHS	CE NSF RoHS	CE NSF
Warranty:	Lifetime	Lifetime	Lifetime	1 year	1 year	Lifetime	Lifetime	Lifetime

DPS300-01
Digital Pocket Test with 180° Swivel Head

- On/Off Buttons
- °C/°F Switchable
- Memory Feature
- Reduced Tip Design



Adjustable 180° Swivel Head for Easy Viewing From Any Angle

9150
Probe Wipe Box
Used for cleaning probes and digital thermometers

- 200 individual foil-wrapped wipes
- 51 mm x 51 mm (2" x 2")
- Weight: 8 oz (227 g)

9325
ValCup™

DFP450W not included

Thermometer Validation

Using accurately calibrated thermometers is an essential component of any basic HACCP plan. Cooper-Atkins believes that every foodservice professional should implement validation testing into their regular routine to ensure their thermometers are accurate.

Watch the Video!

Calibration is a formal comparison of any item to a known standard that is of higher accuracy. The comparison is normally conducted under controlled environmental conditions and typically not done on-site. It is traceable to a known standard through an unbroken chain of comparison to the National Institute of Standards and Technology (NIST).

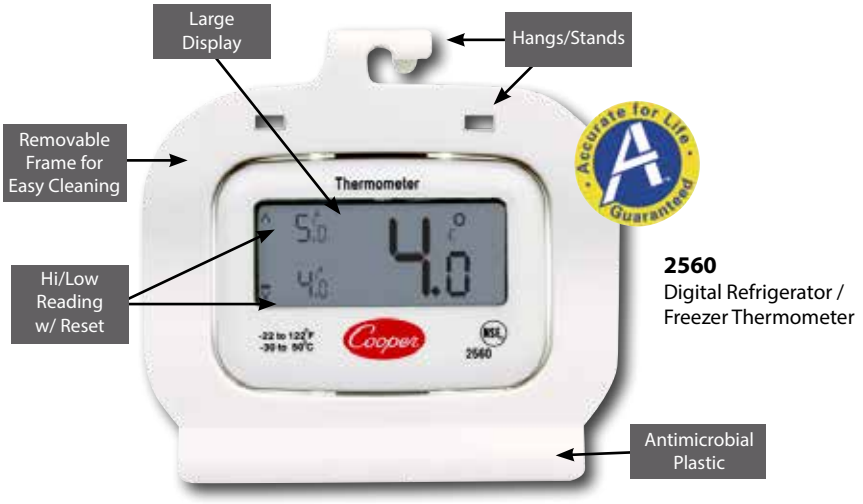
Other manufacturers include an adjustment feature known as a calibration button on their thermometers. This feature allows the user to reset the expected error/accuracy drift in the thermometer that may have developed over time. While this may sound like a useful feature, if the conditions are not controlled precisely, it could introduce more error at critical test temperatures! **Cooper-Atkins' Accurate For Life** digital thermometers require no "field" adjustment of calibration settings, which eliminates the risk of introducing error into the instrument.

Validation is a quick, less formal comparison of any item against a single temperature point. When validating thermometers, it is usually by means of a single test point such as an ice bath (0°C/32°F). It can be performed regularly on-site, and is a confirmation that the instrument is accurate to within acceptable tolerances.

Refrigerator/Freezer Thermometers

	2560	25HP-01	330	335-01	535-01	PM180
Temperature Range:	-30° to 50°C (-22° to 122°F)	-29° to 27°C (-20° to 80°F)	-40° to 50°C (-40° to 120°F)	-40° to 25°C (-40° to 80°F)	-30° to 50°C (-20° to 120°F)	-32° to 82°C (-25° to 180°F)
Accuracy:	0.5°C (±1°F)	±1°C (±2°F)	±1°C (±2°F)	±1°C (±2°F)	±2°C (±5°F)	±1°C (±2°F)
Housing Material:	Antimicrobial Plastic	Stainless Steel	Food Grade Plastic	Stainless Steel	Plastic	Plastic
Dimensions:	90 mm x 32 mm x 89 mm (3.562" x 1.25"x 3.5")	60 mm x 38 mm x 76 mm (2.375" x 1.5"x 3")	16 mm x 6.4 mm x 108 mm (0.625"x .25"x 4.25")	121 mm x 22 mm x 29 mm (4.75"x .875"x 1.125")	51 mm (2")	127 mm x 95 mm x 22 mm (5"x .3.75"x.875")
Lens Material:	Food Grade Polycarbonate	Glass	-	Food Grade Polycarbonate	Plastic	-
Weight:	43 g (1.5 oz)	43 g (1.5 oz)	7 g (.25 oz)	28 g (1 oz)	14 g (0.5 oz)	142 g (5 oz)
Regulatory Listings:	CE NSF RoHS	NSF	NSF	NSF	-	CE RoHS
Warranty:	Lifetime	1 Year	1 Year	1 Year	1 Year	1 Year

330
Vertical Glass Tube Refrigerator / Freezer Thermometer



2560
Digital Refrigerator / Freezer Thermometer

The 2560 is a low temperature digital thermometer designed to hang, stand or mount within the food zone inside cold storage cabinets. Cable-ties included for added mounting security.

2560 vs 25HP
Size Comparison

PM180
Dual-Cool™ Panel Thermometer

Cooper-Atkins' first dual temperature panel thermometer with interchangeable probes, Min/Max alarm settings and Hi/Lo temperature recall. Equipped with user-adjustable settings, it can simultaneously measure temperatures within two separate storage environments or two locations inside of the same reach-in, walk-in or hot-holding cabinet.

PM180-01
- PM180 Panel Thermometer
- 2013 Air Probe
- 2113 Solid Simulator Probe

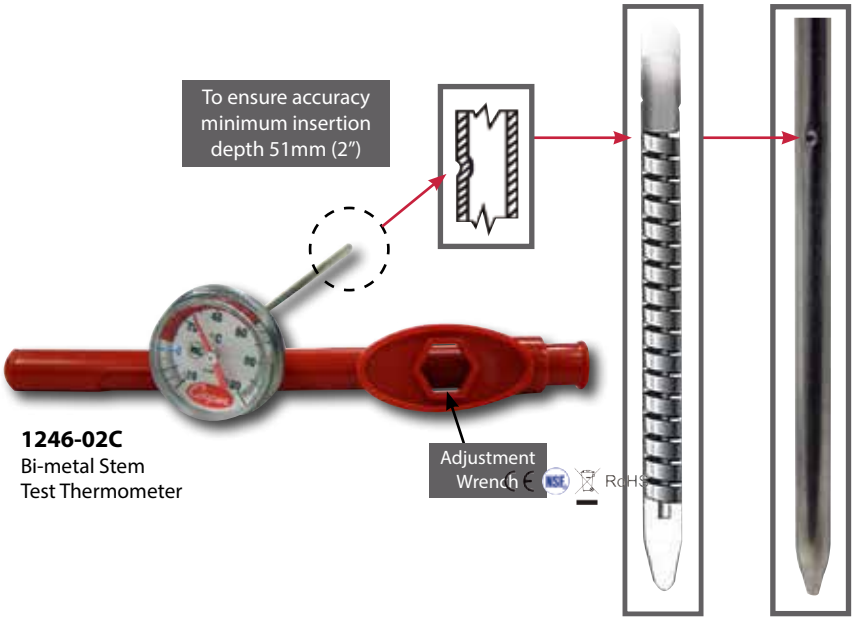
PM180-02
- PM180 Panel Thermometer
- (2) 2013 Air Probes

PM180-03
- PM180 Panel Thermometer
- (2) 2113 Solid Simulator Probes

Bi-metal Insertion Thermometers

The Cooper-Atkins' Bi-metal Pocket Test thermometers have an external dimple on the stem to indicate the minimum insertion depth. We do not recommend using bi-metal thermometers for thin, delicate foods such as hamburger patties, seafood, and pork chops. The bi-metal pocket tests have a magnifying lens for improved reading and a pocket sheath with adjustment wrench, made with antimicrobial plastic. Our 1246-02C dials have a blue indicator mark at 0°C (freezing point) for ease of adjustment, and a HACCP danger zone highlighted in red.

	1246-01C 1246-01	1246-02C 1246-02	1246-03C 1246-03
Temperature Range:	-40° to 80°C (-40° to 180°F)	-20° to 100°C (0° to 220°F)	10° to 285°C (50° to 550°F)
Accuracy:	±1°C (±2°F)	±1°C (±2°F)	±3°C (±5°F)
Housing Material:	Stainless Steel	Stainless Steel	Stainless Steel
Dial Diameter:	25 mm (1")	25 mm (1")	25 mm (1")
Stem Diameter:	3.5 mm (0.140")	3.5 mm (0.140")	3.5 mm (0.140")
Stem Length:	127 mm (5")	127 mm (5")	127 mm (5")
Lens Material:	Magnifying Polycarbonate	Magnifying Polycarbonate	Magnifying Polycarbonate
Antimicrobial Plastic:	Yes Sheath Only	Yes Sheath Only	Yes Sheath Only
Weight:	14 g (0.5 oz)	14 g (0.5 oz)	14 g (0.5 oz)
Regulatory Listings:			
Warranty:	1 Year	1 Year	1 Year



1246-02C
Bi-metal Stem
Test Thermometer

Henri's Hint
The antimicrobial additive does not protect users or others against food bacteria. Always wash, rinse and sanitize this product thoroughly before and after each use.

2237-04
178 mm Dial Espresso
Milk Frothing Thermometer

1246-02
Ice Slurry Adjustment

322-01
Candy/Jelly/Deep-Fry
Thermometer

1236-70
25 mm Dial Espresso/
Cafe Thermometer

	322-01	1236-70	2237-04 / 04C
Temperature Range:	90° to 200°C (200° to 400°F)	0° to 220°F	-10° to 104°C (0° to 220°F)
Accuracy:	±3°C (±5°F)	±2°F	±1°C (±2°F)
Housing Material:	Stainless Steel	Stainless Steel	Stainless Steel
Dial Diameter:	64 mm (2.5")	25 mm (1")	178 mm (1.75")
Stem Diameter:	4.8 mm (0.190")	3.6 mm (0.140")	3.8 mm (0.15")
Stem Length:	152.4 mm (6") w/ vessel clip	127 mm (5")	178 mm (7") w/ vessel clip
Lens Material:	Glass	Magnifying Polycarbonate	Magnifying Polycarbonate
Weight:	57 g (2 oz)	14 g (.5 oz)	28 g (1 oz)
Regulatory Listings:			
Warranty:	1 Year	1 Year	1 Year

Bi-metal Insertion/Cooking Thermometers

Protecting food during the preparation process is extremely important. When working with potentially hazardous foods you need to make sure it spends less than 4 hours in the "Danger Zone" between 5° - 57°C (41-135°F). Food exposed to this temperature for too long is not safe to consume. The final cooking temperature should always be tested with a thermometer, never just by looking at or touching the food.

323
Roasting Thermometer

	323	2238-06	2238-14	3270-05
Temperature Range:	49° to 93°C (120° to 200°F)	-10° to 100°C (0° to 220°F)	20° to 280°C (50° to 550°F)	10° to 285°C (50° to 550°F)
Accuracy:	±1°C (±2°F)	±1°C (±2°F)	±2.5°C (±5°F)	±5°C (±10°F)
Housing Material:	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Dial Diameter:	64 mm (2.5")	51 mm (2")	51 mm (2")	64 mm (2.5")
Stem Diameter:	4.8 mm (0.190")	3.5 mm (0.140")	3.5 mm (0.140")	6.4 mm (0.250")
Stem Length:	152 mm (6")	203 mm (8")	203 mm (8")	381 mm (15")
Lens Material:	Glass	Glass	Glass	Glass
Weight:	57 g (2 oz)	43 g (1.5 oz)	43 g (1.5 oz)	156 g (5.5 oz)
Regulatory Listings:	NSF	NSF	NSF	-
Warranty:	1 Year	1 Year	1 Year	1 Year

Henri's Hint
The 24HP was voted the Most Reliable Oven Thermometer by America's Test Kitchen.

2238-06
Stem Test Thermometer

3270-05
Deep-Fry Thermometer

24HP
HACCP Oven Thermometer

3210-08
Grill Thermometer

	24HP-01	26HP-01	3210-08
Temperature Range:	100° to 600°F (50° to 300°C)	100° to 175°F (38° to 80°C)	100° to 600°F (50° to 300°C)
Accuracy:	±25°F (12.5°C)	±3°F (±1.5°C)	±25°F (12.5°C)
Housing Material:	Stainless Steel	Stainless Steel	Aluminum
Dial Diameter:	2" (51 mm)	2" (51 mm)	2.5" (64 mm)
Lens Material:	Glass	Glass	Glass
Weight:	1.5 oz (43 g)	1.5 oz (43 g)	3 oz (85 g)
Regulatory Listings:	NSF	NSF	NSF
Warranty:	1 Year	1 Year	1 Year

Henri's Hint
The Grill Thermometer has unique grips for easy removal from hot grill surfaces

Storage, Wall and Panel Thermometers

Get accurate internal temperature readings without opening the doors of your storage units. Cooper-Atkins' panel meters are the perfect choice for use in walk-in refrigerators, tanks, refrigerated display cases, holding cabinets, dairy cases, and more. Save time and lower energy costs by monitoring/viewing cold storage temperatures from the outside.

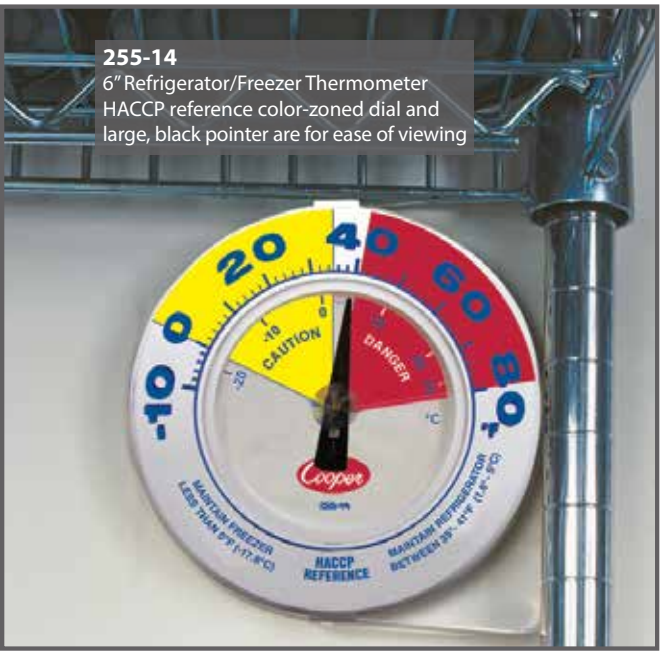
6142-20
Vapor Tension Thermometer

	255-14	268	6142-20	SP160-0 / 01 Black / White	PM120	T158
Temperature Range:	-20° to 25°C (-10° to 80°F)	-50° to 50°C (40° to 120°F)	-40° to 15°C (-40° to 60°F)	-50° to 70°C (-58° to 158°F)	-40° to 50°C (-40° to 122°F)	(Internal): 0° to 50°C (32° to 122°F) (External): -50° to 70°C (-58° to 158°F)
Accuracy:	±1°C (±2°F)	±1°C (±2°F)	±1°C (±2°F)	±1°C (±2°F)	±1C° (±1.8F°)	±1°C (±2°F)
Housing Material:	Plastic	Plastic	Stainless Steel	Plastic	Plastic	Plastic
Lens Material:	Clear Acrylic	-	Polycarbonate	-	-	-
Power:	-	-	-	Solar with battery backup 1.5v (AAA)	1.5v (AA)	1.5v (AAA)
Weight:	85 g (3 oz)	85 g (3 oz)	142 g (5 oz)	85 g (3 oz)	85 g (3 oz)	156 g (5.5 oz)
Regulatory Listings:	-	-	NSF	CE RoHS	CE RoHS	CE RoHS
Warranty:	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year

Henri's Hint
Large, brightly-colored wall thermometers increase employee awareness of HACCP guidelines while monitoring temperatures.

SP160-01
Digital Solar Panel Thermometer

PM120
Mini Rectangular Panel Thermometer



255-14
6" Refrigerator/Freezer Thermometer
HACCP reference color-zoned dial and large, black pointer are for ease of viewing

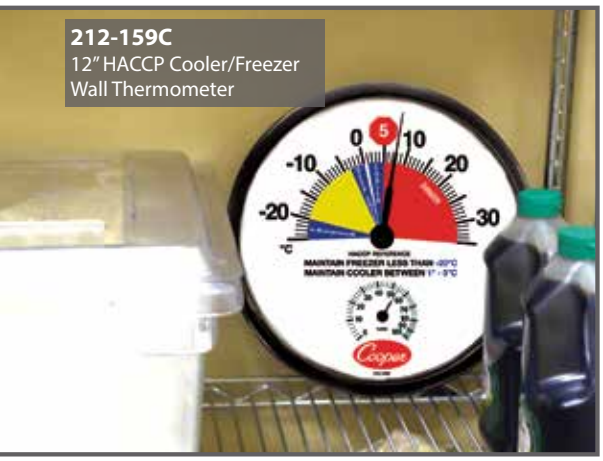
T158
Digital with Remote Sensor Thermometer

Temperature & Humidity Thermometers

	TRH158	TRH122	212-150	212-158	212-159	212-159C
Temperature Range:	0° to 50°C (32° to 122°F)	-10° to 50°C (14° to 122°F)	-40° to 50°C (-40° to 120°F)	10° to 80°F	-10° to 80°F	-25° to 35°C
Accuracy:	±1°C (±2°F)	±1°C (±2°F)	1.5°C (±3°F)	±3°F	±3°F	±1°C
Relative Humidity:	25 to 90%	10 to 99%	0 to 100%	0 to 100%	0 to 100%	0 to 100%
RH Accuracy:	±5%	±5%	±5%	±5%	±5%	±5%
Housing Material:	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Lens Dimensions:	-	-	292 mm (11.5")	292 mm (11.5")	292 mm (11.5")	292 mm (11.5")
Lens Material:	-	-	Plastic with UV additive	Plastic with UV additive	Plastic with UV additive	Plastic with UV additive
Power:	1.5v (AAA)	1.5v (AAA)	-	-	-	-
Weight:	127 g (4.5 oz)	85 g (3 oz)	425 g (15 oz)	425 g (15 oz)	425 g (15 oz)	425 g (15 oz)
Regulatory Listings:	CE RoHS	CE RoHS	-	-	-	-
Warranty:	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year

212-150
12" Wall Thermometer/Humidity Meter

The TRH122M measures both temperature and %Relative Humidity. It features Min/Max memory and is °C/°F selectable.



The 212-159C 12" HACCP Cooler/Freezer Wall Thermometer with Humidity Meter. HACCP reference color-zone dial and large black pointer for easy viewing. Oversized wall thermometers allow easy monitoring of temperatures in critical food-related locations.

TRH158
Digital Temperature & Humidity Wall Thermometer

Measure both temperature and humidity with the TRH158. It is wall or desk mountable and is °C/°F selectable.

Timers

Cooper-Atkins' timers are easy to use because of their large, easy-to-read displays. Our digital timers feature an adjustable volume control, stopwatch capabilities, wall or magnet mounting, non-skid rubber feet and grease-resistant keypads. Recall settings help save time in the kitchen.

FT24
Digital Timer

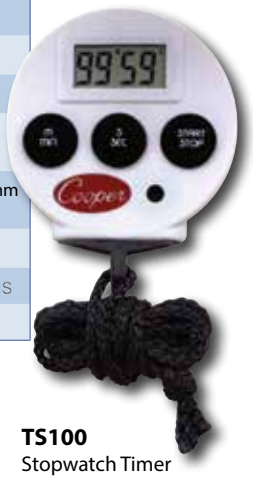
TC6
Six Button Timer

Wire hanger is perfect for mounting on coffee urns and air pots

TFS4
Multi-station Timer

Now with Optional AC adapter #9374

	DTT361	FT24	TC6	TFS4	TM60	TS100	TW3
Unit Range:	23:59:59 Hours	23:59:59 Hours	23:59:59 Hours	99 Hours 59 Minutes	0 to 60 Minutes	99 Minutes 59 seconds	99 Minutes 59 seconds
Resolution:	1 second	1 second	1 second	Hours/Minutes Minutes/Seconds	1 minute	1 second	1 second
Power Source:	1.5 v AAA	(4) 1.5V "C"	1.5 v AAA	(4) 1.5v "C" AC Adapter (optional)	Wind up	1.5v LR44	1.5 v AAA
Memory / Recall:	Yes	Yes	Yes	Yes	-	Yes	Yes
Modes:	-	-	Counts up/down	Counts up/down	-	-	-
Alarm Level (Decibel):	-	90 decibels	85 decibels	90 decibels	70 decibels	70 decibels	70 decibels
Housing:	ABS Plastic	ABS Plastic	ABS Plastic	ABS Plastic	Stainless Steel	ABS Plastic	ABS Plastic
LCD Dimensions:	48 mm x 35 mm (1.875" x 1.375")	22 mm x 54 mm (0.875" x 2.25")	16 mm x 41 mm (0.625" x 1.625")	76 mm x 76 mm (3" x 3")	-	-	38 mm x 76 mm (1.5" x 2.5")
Weight:	113 g (4 oz)	539 g (1 lb 3 oz)	57 g (2 oz)	523 g (1 lb 6 oz)	113 g (4 oz)	28 g (1 oz)	85 g (3 oz)
Regulatory Listings:	CE RoHS	CE	CE RoHS	CE RoHS		CE RoHS	CE RoHS
Warranty:	1 Year	2 Year	1 Year	1 Year	1 Year	1 Year	1 Year



TS100
Stopwatch Timer

DTT361
Cooking Thermo-timer with time/temperature alarm

TM60
Long-ring, 60 Minute Mechanical Timer

TW3
Large Digit Multi-Function Timer

Mount by wire hanger, wall hook, belt clip or magnet

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Accuracy to the Highest Degree

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